



PAPAYER superpoppy hybrid 'Heartbeat'

Detailed Plant description.

In the following description, colour references are made to 'The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used. Plants of the poppy Papaver super poppy Heartbeat were 3 years old and classed as mature and grown in garden beds with normal garden soil.

Papaver super poppy Heartbeat is an inter-specific hybrid seedling from a sowing of seed on September 25th 1997 in the city of Atascadero, in the County of San Luis Obispo, State of California.

The breeding scheme was Papaver superpoppy hybrid x Papaver *orientale* of an unknown cultivar.

Parentage The female, or seed parent of this sowing being an inter-specific hybrid of the species Papaver *atlanticum*, Papaver *californicum*, Papaver *rupifragrum*, Papaver *somniferum* and Papaver *orientale*.

The male or pollen parent was an unnamed Papaver *orientale* seedling of unknown parentage. Trials were set up in both Atascadero. in the County of San Luis Obispo. California U.S.A. from 1998 to 2001 and at the National Collection of Papaver U.K. in Cheriton. Hampshire. England. U.K. from 2000 to 2002. Both findings are listed below.

Propagation:

Type: Cuttings

Time to develop roots: Cuttings harvested in October will develop roots in February in the Northern Hemisphere.

Root description: Fleshy.

Crop time: about 20 weeks are required to produce finished flowering plants for a 2 litre container.

Plant Description:

Form: Robust hispid perennial flowering plant with upright, sturdy, erect, tall flowering stems, the foliage forming a symmetrical arching circle around the plant.

Plant Height: about 36 inches

Plant Diameter: about 24 inches.

Foliage Description: Leaves simple, generally symmetrical and long persisting. **Arrangement:** Alternate & irregular.

Shape: Lanceolate, pinnately and deeply dissected.

Length: about 20 to 22 inches. **Width:** about 7 inches.

Leaf segment shape: Lanceolate.

Leaf segment apex: Acuminate to acute. **Leaf base:** Attenuate.

Leaf segment margins: Serrate to Serrulate.

Leaves: are sessile.

Texture: Glossy, slightly rugose; both upper & lower surfaces covered with pale grey to greenish white hairs between 1/16 to 1/8 inch in length.

Colour: Using the R.H.S. Colour charts:

Young foliage upper surface: 137C.

Young foliage lower surface: 137D. **Mature foliage upper surface:** closest 137A to 137B. **Veins:** 145D.

Mature foliage lower surface 137C. **Veins:** 144B.

Flower description

Flower type & Habit: Large size, 6 petals, semi double flowers circular in shape, set with three outer overlapping petals and three more upright inside petals overlapping, the edges to all petals ruffled & slightly pleated, and one or two petals may have some serrated edges to the margins. Flowers upward & outward facing. Flowers not persistent. Freely flowering typically about 12 flowers and flowering buds at one time

Natural flowering season: Late spring to early summer.

Fragrance: Not detected.

Flowers longevity on the plant: average 7 to 8 days before petals dropped.

Flower size. Diameter of flower: 5.5 to 7.5 inches

Depth (length) of flower: about 3.5 inches.

Bud: (before showing colour) oblong with domed bulbous top.

Colour outside surface: 137C with maroon to purple dot markings, **colour** 71A

Length: about 2.25.inches. **Diameter:** about 1.25 inches.

Texture: Hispid covered with white, pale green to maroon red hairs.

Length: about 1/16 to 1/8th inch.

Corolla arrangement/appearance: 6 overlapping petals forming a bowl shape. Base indented to stem & bracts.

Petal length: about 4 inches. **Petal width:** about 6.5 inches.

Petal shape: Orbicular to Reniform. **Petal apex:** Obtuse.

Petal Base: Truncate to Reniform.

Petal margins: Very fine crenulated edges, one or two petals may have incised margins, but this is not constant.

Petal Texture: Strong, thick, satin smooth.

Petal colour: We believe this is a new colour break; the instant plant colour is deep Maroon with purple, & slight brown tones.

Petal colour upper surface when opening: Red Purple 59A. / 59B.

Petal colour lower surface when opening: closest 59A.

Base: with black venation lines extending to about 2 inches, over Colour 59A.

Petal colour upper surface when opened: Red Purple 59B with regular, oblong black blotch above the **base:** colour 46A.

Petal colour lower surface when opened: closest 59B

Lower surface base: Black venation lines extending to about 2 inches, over colour 59B.

Peduncle/Flowering Stems: Length: about 36 inches.

Diameter: about ½ inch. **Strength:** excellent, fully supporting the weight of the flowers, Thick, upright, self supporting, Texture hispid with pale grey to greenish white, horizontal hairs to lower stem and flat hairs to upper part of flowering stem. **Diameter** about ½. Inch
Calyx /Sepal arrangement; Typically 3. Calyx length: about 2.25 inches. **Calyx width:** about 1.5 inches. **Sepal Shape:** elliptic.

Sepal Apex: mucronate. **Sepal Margin:** entire. **Sepal margin colour:** 149D. **Sepal Colour outer surface:** nearest 137C to 137D with maroon to purple dot markings, **colour:** nearest 71A.

Colour Inner surface: nearest 149D

Texture: hispid, covered with pale grey to red/ purple hairs.

Length of hairs: 1/8 to ¼ of an inch..

Width of hair: very fine.

Colour outside surface: 137C with maroon to purple dot markings, **colour** 71A

Length: **about 2.25.inches.** **Diameter:** **about 1.25 inches.**

Rate of opening: about 3 weeks from visible bud to open flower.

Peduncle/ Stem colour: 137D.

Peduncle leaves: Smaller leaves attached to the stem at irregular intervals. **Length of smaller leaves:** varying from 4.5 to 8 inches.

Bracts: Irregular, medium to small, with white hirsute edges to Apex and margins. Length 1.5 inches to 2.5 inches.

Colour upper surface: 137D. **Veins:** 143B

Colour lower surface: 137C. **Veins:** 143B.

Scales: Obtuse with white hispid margins & apex. Scales not constant.

Scale colour: 137D

Reproduction organs: Stamens: Quantity: Numerous, typically more than 200. **Anther shape:** Basifixed. **Anther Length:** about 3/16 inch. **Anther Colour:** 202A. **Pollen amount:** scarce.

Pistils: Quantity: One.

Pistil length: about 1/8th inch. **Stigma colour:** 200A

Seed or Pericarpal Capsule.

The instant plant had very large, attractive seed capsule adding to the uniqueness, (see Figure 1. lower photo. & Figure 3.) with pronounced indented markings on the top edge of the pericarp even when unripe and in flower. **Colour when in flower:** nearest 142D

Length: about 1.50. **Diameter:** about 1.25 inches.

Colour of seed capsule: 133D.

Seed Description: Length: 1/16th inch. **Diameter:** 1/16th inch

Seed Colour: Dull dark brown. **Disease Resistance:** The instant plant has been noted to be free of pathogens common to Papaver.

Weather tolerance: The instant plants are tolerant to rain & wind and U.V. rays.

Comparisons

This instant plant is a new hybrid poppy plant, therefore there are no other poppies to compare.

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